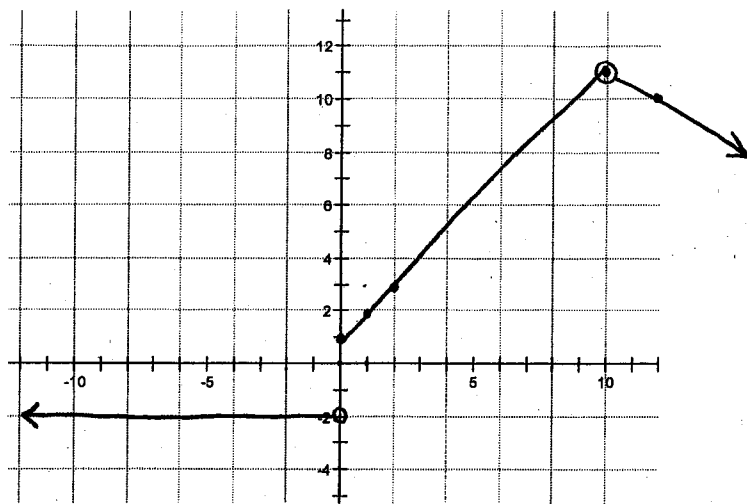


$$5. h(x) = \begin{cases} -2 & \text{if } x < 0 \\ x+1 & \text{if } 0 \leq x \leq 10 \\ -\frac{1}{2}x+16 & \text{if } x > 10 \end{cases}$$

Domain: $\mathbb{R} \quad (-\infty, \infty)$

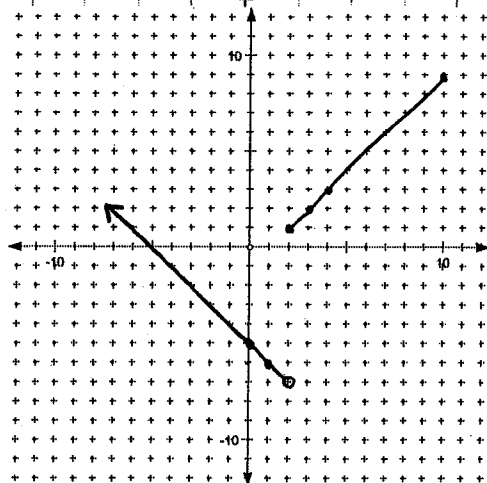
Range: $y \leq 11 \quad (-\infty, 11]$



$$6. f(x) = \begin{cases} -5-x & \text{if } x < 2 \\ x-1 & \text{if } 2 \leq x \leq 10 \end{cases}$$

Domain: $x \leq 10 \quad (-\infty, 10]$

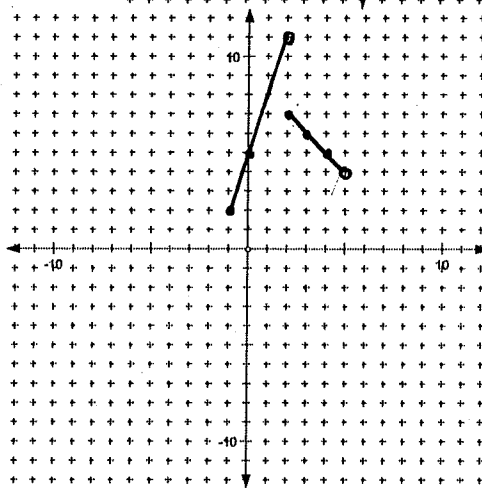
Range: $y > -7 \quad (-7, \infty)$



$$7. f(x) = \begin{cases} 3x+5 & \text{if } -1 \leq x < 2 \\ -x+9 & \text{if } 2 \leq x < 5 \end{cases}$$

Domain: $-1 \leq x < 5 \quad [-1, 5)$

Range: $2 \leq y < 11 \quad [2, 11)$



$$8. g(x) = \begin{cases} [x] & \text{if } -3 < x < 2 \\ x & \text{if } x \leq -3 \\ -x+3 & \text{if } x \geq 2 \end{cases}$$

Domain: $\mathbb{R} \quad (-\infty, \infty)$

Range: $(-\infty, 1]$

